

FIG. 1B

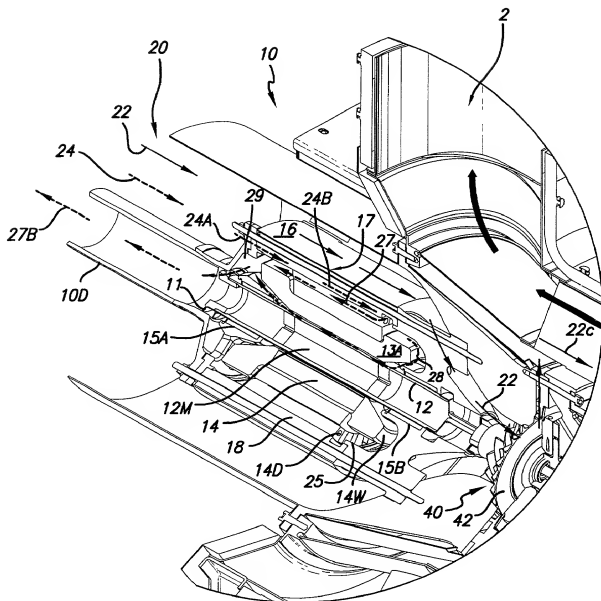
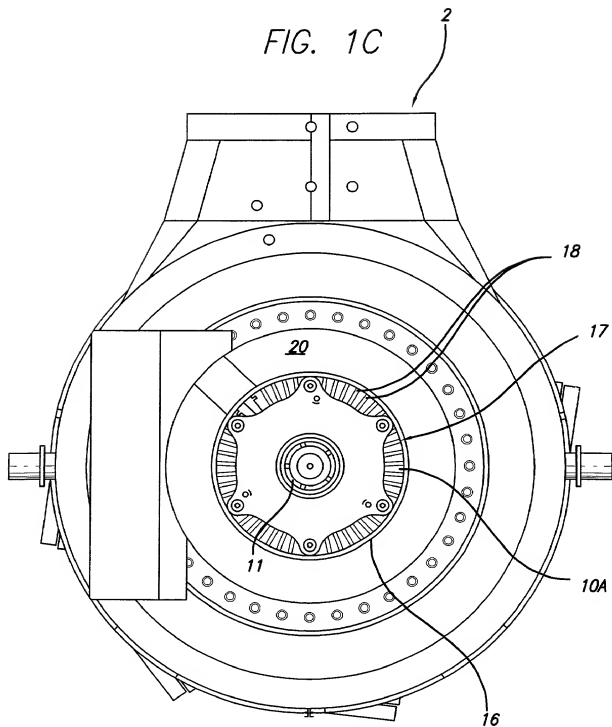
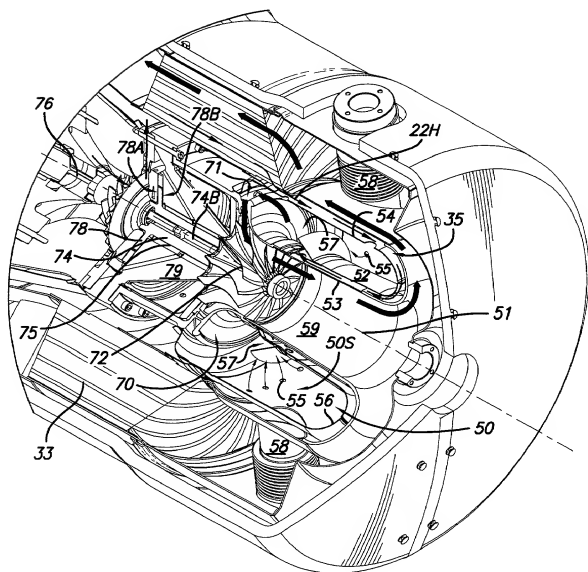


FIG. 1C



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FIG. 1D



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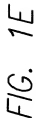
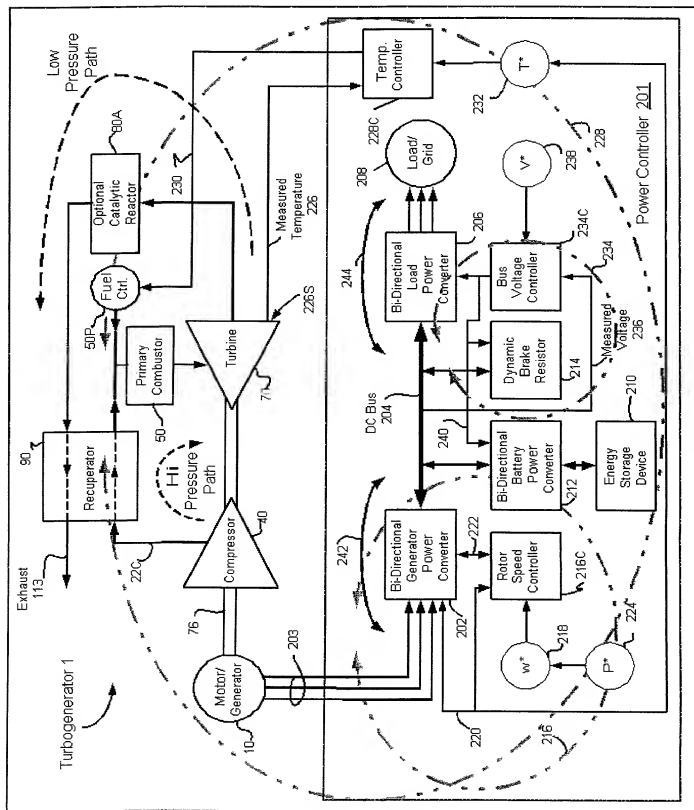


Fig. 2



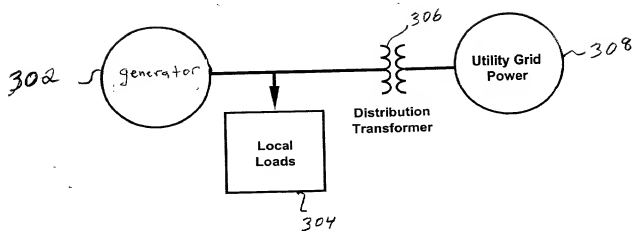


Figure 3

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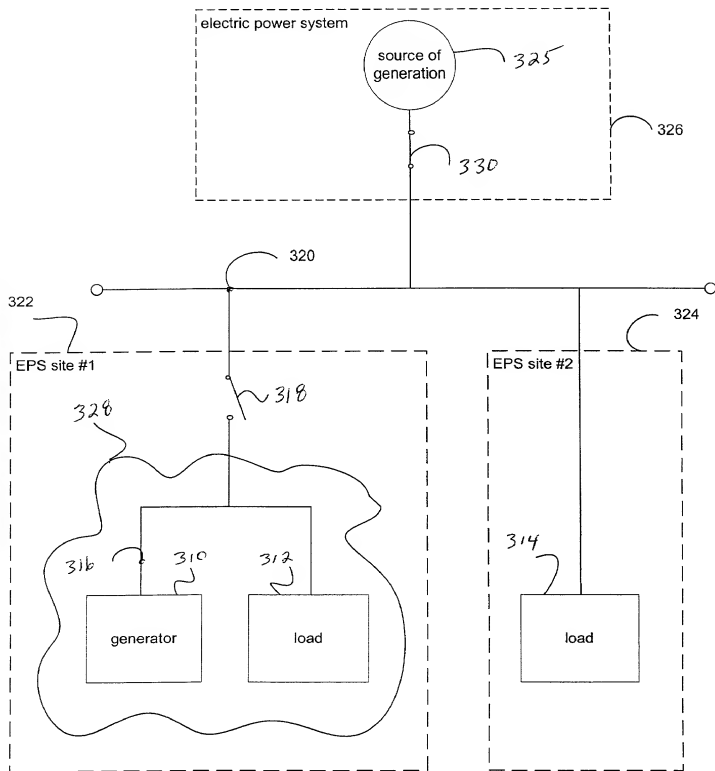


FIGURE 4

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102101 84152660

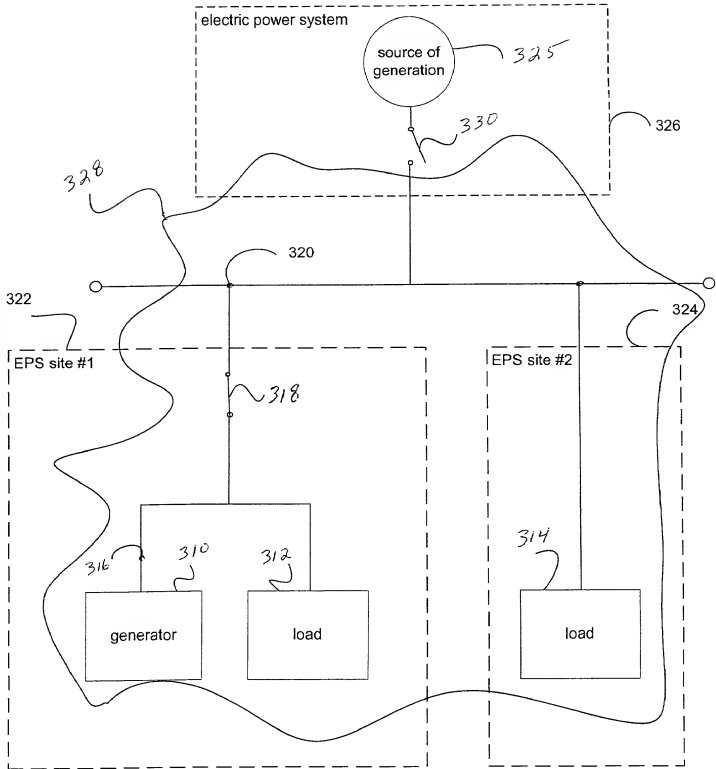


FIGURE 5

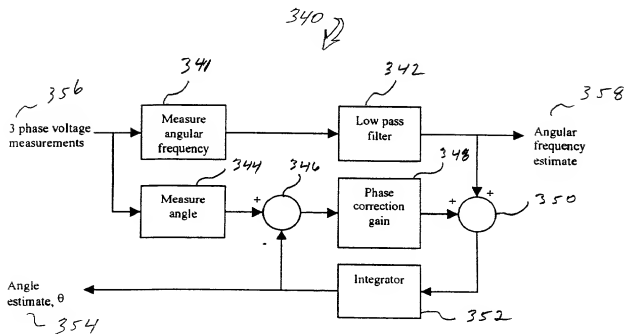
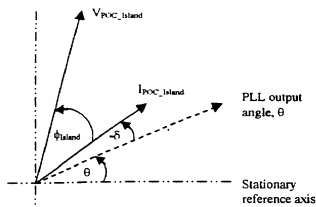


Figure 6



$I_{POC\_island}$	Islanded DR generator current magnitude at the POC (A)
$V_{POC\_island}$	Islanded voltage magnitude at the POC (V)
$Z_{island}$	Impedance magnitude of the island looking into the POC ( $\Omega$ )
$\phi_{island}$	Impedance phase-angle of the island looking into the POC (radians)
$P_{DRG}$	Demanded real power output of the DR generator (W)
$Q_{DRG}$	Demanded reactive power output of the DR generator (lagging is positive) (VAr)
$\theta$	Angle output from the PLL (radians)
$\delta$	Demanded current phase angle, $\delta = \tan^{-1}(Q_{DRG}/P_{DRG})$ (radians)

Figure 7

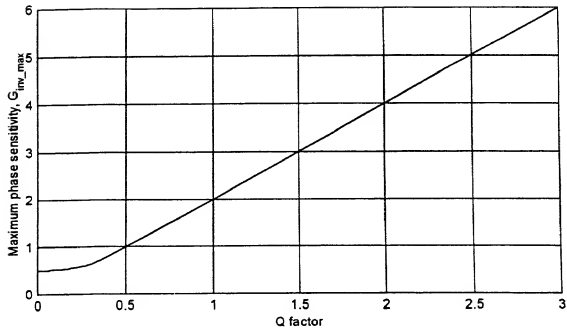
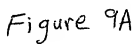


Figure 8

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702701-8175600



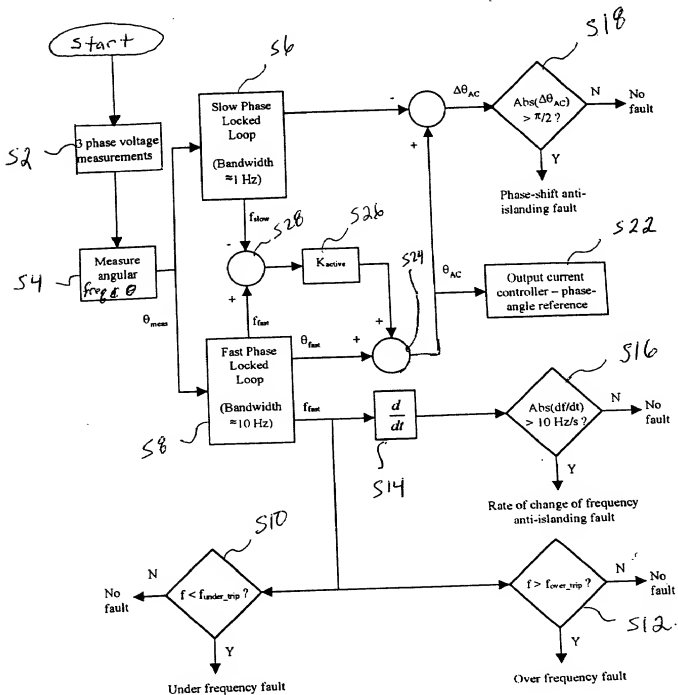


Figure 9B

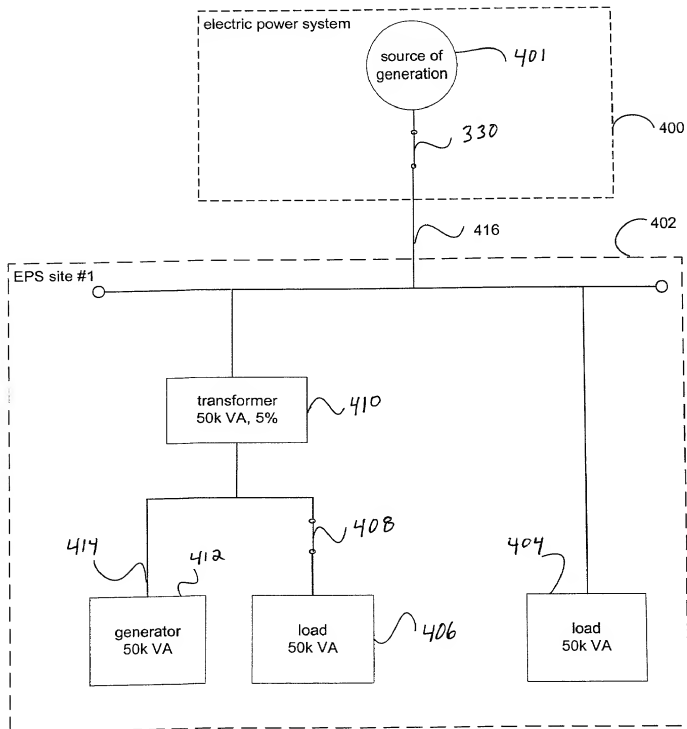


Figure 10

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